Economia
Circolare
in Edilizia

Relatore
Andrea Tassone - ARUP

Case history di edifici certificati con elevata circolarità
ARUP

An Introduction to our Firm
We are truly global. From more than 90 offices worldwide our 14,000 planners, designers, engineers and consultants deliver innovative projects around the globe.
Shaping a better world

We help clients across the world to become more sustainable, while investing in research that can improve our own industry’s environmental impact.
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ARUP RESEARCH
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SUSTAINABLE DEVELOPMENT IN ARUP
UN SUSTAINABLE DEVELOPMENT GOALS – GOAL 12: RESPONSIBLE CONSUMPTION AND PRODUCTION
12.1 **Implement the 10-year framework of programs on sustainable consumption and production**, all countries taking action, with developed countries taking the lead, taking into account the development and capabilities of developing countries.

12.2 **By 2030, achieve the sustainable management and efficient use of natural resources**

12.3 By 2030, halve per capita global food waste at the retail and consumer levels and reduce food losses along production and supply chains, including post-harvest losses.

12.4 By 2020, achieve the environmentally sound management of chemicals and all wastes throughout their life cycle, in accordance with agreed international frameworks, and significantly reduce their release to air, water and soil in order to minimize their adverse impacts on human health and the environment.

12.5 **By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse**

12.6 **Encourage companies**, especially large and transnational companies, to adopt sustainable practices and to **integrate sustainability information into their reporting cycle**

12.7 Promote public procurement practices that are sustainable, in accordance with national policies and priorities.

12.8 By 2030, ensure that people everywhere have the relevant information and awareness for sustainable development and lifestyles in harmony with nature.

12.A Support developing countries to strengthen their scientific and technological capacity to move towards more sustainable patterns of consumption and production.

12.B Develop and implement tools to monitor sustainable development impacts for sustainable tourism that creates jobs and promotes local culture and products.
Globally by 2018, 108 countries had national policies on sustainable consumption and production.
Why the Circular Economy

DESIGNING OUT WASTE AND POLLUTION

KEEPING PRODUCTS AND MATERIALS IN USE

REGENERATING NATURAL SYSTEMS
Circular Business Models for the Built Environment
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BIQ HAMBURG – INNOVAZIONE PER EDIFICI CIRCOLARI NEAT-ZERO
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L’INNESTO – C40 REINVENTING CITIES
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SEI MILANO

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SEI MILANO

Diagramma di sintesi
Materiali e Tecnologie

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PEOPLE PAVILION – COSTRUZIONE BASATA SUL RIUTILIZZO DI MATERIALI

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CIRCULAR BUILDING
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LIFE CYCLE TOWER – APPROCCIO CRADLE TO CRADLE
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Hy-Fi MUSHROOM TOWER
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3D HOUSING 05 – FABBRICAZIONE DIGITALE
Grazie per l’attenzione.

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